|  |  |  |  |
| --- | --- | --- | --- |
| Indicator | Color 1 (pH range) | Color 2 (pH range) | Color 3 (pH range) |
| Phenolpthalein | Colorless (below 8) | Pink (above 8) | None |
| Methyl orange | Orange (below 3) | Yellow (above 3) | None |
| Bromthymol blue | Yellow (below 6) | Green (between 6 and 7.5) | Blue (above 7.5) |
| Blue litmus paper | Pink (below 7) | Blue (above 7) | None |
| Pink litmus paper | Pink (below 7) | Blue (above 7) | None |
| Thymol blue | Red (below 1.5) | Yellow (above 1.5) | None |
| Congo red | Blue (below 3) | Red (above 3) | None |
| Alizarin yellow | Colorless (below 10) | Yellow (above 10) | None |
| Bromcresol purple | Yellow (below 5.5) | Purple (above 5.5) | None |
| Bromphenol blue | Yellow (below 3) | Green (between 3.1 and 4.4) | Blue above 4.5 |

Titration Formula:

MaVa = MbVb